

in which the invalid data is described (or the label ID of this command) serves as a key (S12). Subsequently, the CPU 12 rewrites the address described in that command (which is, e.g., an address for storing the arithmetic result) into the effective address from the invalid data (S13).

Please REPLACE the paragraph beginning at page 12, line 16, as follows:

According to the label address translating device 10 in the embodiment discussed above, the label table 32 showing the relationship between the labels and the effective addresses are referred to, whereby each of the labels described in the program 20 is rewritten into the effective address. The program 20 as a target for processing eventually falls into a state where the effective address is rewritten therein instead of the label. Hence, in the execution (compilation) of the program 20 after being rewritten, since there is no necessity for translating the label into the effective address, it is possible to omit the process of translating the label into the effective address.

IN THE CLAIMS:

Please REPLACE claims 1 and 4-7 and ADD new claims 8-16 in accordance with the following:

1. (AS ONCE AMENDED) A label address translating device for obtaining an address from a label described in a program, comprising:
 a program processing unit judging whether or not the address is obtained from the label when in the processing of the program; and
 a label address translating unit performing an exception handling for writing an address which is obtained based on said label onto said program when said program processing unit judges that the address is not obtained from the label.

4. (AS ONCE AMENDED) A label address translating method of obtaining an address from a label described in a program, comprising:
 processing the program;

judging whether or not the address is obtained from the label when the processing the program in said processing; and

performing an exception handling for writing an address which is obtained based on said label onto said program when judging in said judging that the address is not obtained from the label.

5. (AS ONCE AMENDED) A label address translating method according to claim 4, wherein said performing involves reading the address to be obtained from a table showing a relationship between the label and the address.

6. (AS ONCE AMENDED) A label address translating method according to claim 4, wherein said judging includes judging, when the address indicated by the label is not a real address, that the address is not obtained from the label.

7. (AS ONCE AMENDED) A readable-by-computer medium stored with a second program for making a computer function as a label address translating device for obtaining an address from a label described in a first program, said second program comprising:

judging whether or not the address is obtained from the label when processing said first program;

performing an exception handling for writing an address which is obtained based on said label onto said first program when judging in that the address is not obtained from the label.

Please ADD the following claims:

--8. (AS NEW) A label address translating device for obtaining an address from a label described in a program of one of an interpreter and a compiler, comprising:

a program processing unit judging whether or not the address is obtained from the label when in the processing of the program; and

a label address translating unit performing an exception handling for writing an address which is obtained based on said label onto said program when said program processing unit

judges that the address is not obtained from the label.

9. (AS NEW) A label address translating method of obtaining an address from a label described in a program of one of an interpreter and a compiler, comprising:

processing the program;

judging whether or not the address is obtained from the label when the processing the program in said processing; and

performing an exception handling for writing an address which is obtained based on said label onto said program when judging in said judging that the address is not obtained from the label.

10. (AS NEW) A computer readable medium storing a first program making a computer function as a label address translating device for obtaining an address from a label described in a second program of one of an interpreter and a compiler when said computer executes said first program, said first program comprising:

judging whether or not the address is obtained from the label when processing said second program; and

performing an exception handling for writing an address which is obtained based on said label onto said second program when the judging determines that the address is not obtained from the label.

11. (AS NEW) A program translating device comprising:

an encode unit encoding a source code of a program of one of an interpreter and a compiler, said program being described by using a label; and

an exception handling unit performing, when said encoded source code includes an invalid address, an exception handling for replacing said invalid address with a valid address.

12. (AS NEW) A program translating method comprising:
encoding a source code of a program of one of an interpreter and a compiler, said program being described by using a label; and
performing, when said encoded source code includes an invalid address, an exception handling for replacing said invalid address with a valid address.

13. (AS NEW) A computer readable medium storing a translating program for making a computer function as a program translating device when the computer executes the program, said translating program comprising:

encoding a source code of a target program of one of an interpreter and a compiler, said target program being described by using a label; and

performing, when said encoded source code includes an invalid address, an exception handling for replacing said invalid address with a valid address.

14. (AS NEW) A computer program making a computer function as a label address translating device for obtaining an address from a label described in a target program when the computer executes the program, said program comprising:

judging whether or not the address is obtained from the label when the processing said target program; and

performing an exception handling for writing an address which is obtained based on said label onto said first program when the judging determines that the address is not obtained from the label.

15. (AS NEW) A computer program for making a computer function as a label address translating device for obtaining an address from a label described in a target program of one of an interpreter and a compiler when the computer executes the program, said program comprising:

judging whether or not the address is obtained from the label when processing said first